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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/727,930	12/04/2003	Jeffrey Steigerwalt	BBM-102US	6983
23122	7590	12/29/2004	EXAMINER	
RATNERPRESTIA			DEVORE, PETER T	
P O BOX 980			ART UNIT	
VALLEY FORGE, PA 19482-0980			PAPER NUMBER	

3751

DATE MAILED: 12/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/727,930	Applicant(s) STEIGERWALT ET AL.	
	Examiner Peter T deVore	Art Unit 3751	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
 4a) Of the above claim(s) 6 is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7, 8, 11-17 is/are rejected.
- 7) ☒ Claim(s) 9 and 10 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Election/Restrictions

Claim 6 remains non-elected without traverse as being withdrawn to a non-elected species

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5, 7, 11, 14, and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Shannon.

The Shannon reference discloses a manifold comprising inlets 24a and 24b, outlet 32, coaxial inlet 24c, check valves 25a-25c, a central chamber (between wall @ reference numeral 12 in Figure 3 and the check valves), a self-sealing membrane 17, tubing 51a-51c, a plurality of pumps (see col. 10, lines 21-25), and a cannula (see col. 5, lines 35-40). Regarding claim 17, the claimed method is inherently performed during the normal use of the Shannon device.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 12, 13, 15, and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shannon in view of Schumacher.

The Shannon reference discloses a manifold as discussed supra, but only discloses three inlets. However, attention is directed to the Schumacher reference, which discloses a similar manifold having up to ten inlets to accommodate a mixture of more than three components. It would have been obvious to one of ordinary skill in the art increase the number of inlets to, for example, six or nine, in view of the teachings of Schumacher in order to accommodate a mixture with more than three components.

Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shannon in view of Jepson.

The Shannon reference discloses a manifold as discussed supra, but remains silent as to the details of the cannula. However, attention is directed to the Jepson reference, which as discussed supra discloses a cannula comprising a male blunt tip having a female port therein to allow connection of the cannula to a fluid source. It would have been obvious to one of ordinary skill in the art to employ a cannula comprising a male blunt tip having a female port therein with the Shannon manifold in view of Jepson to allow connection of the cannula to a fluid source.

Allowable Subject Matter

Claims 9 and 10 are allowed.

Response to Arguments

Applicant's arguments filed 10/18/04 have been fully considered but they are not persuasive. Applicant argues that the check valves in the Shannon device are disposed in a common passageway, not individual passageways. However, it is the Examiner's position that the term "passageway" can reasonably be interpreted to include any one of the conduits 14a, b and also extend all the way to the wall at 12 in Figure 12. Thus, the claims as presently worded read on the Shannon device.

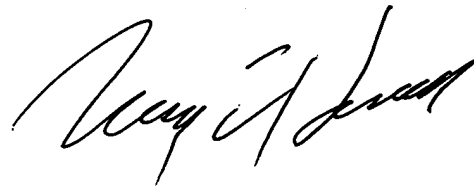
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter T deVore whose telephone number is (703) 306-5481. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Huson can be reached on (703) 308-2580. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PdPd



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